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BRUHAT BENGALURU MAHANAGARA PALIKE (BBMP)

PROJECT: -Renovation and additional construction of RR nagar constituency MLA office, BBMP RR Nagar Division Executive engineer and Yeshwanthapura Sub Division Assistant Executive engineer office behind Chowdeshwari Bus stop, J.P Park and construction of compound wall in front of J .P. Park in Ward no.17

DETAILED ESTIMATE FOR PROPOSED FRONT COMPOUND WALL OF J P PARK WARD NO 17 AS PER KPWD SR 2016-2017.

Head of Account:- Project Cost:-300.00 Lakhs

Sl No	Description of work	Unit	No	Dimensions L	B	D	Quantity	Rate in Rs.	Amount in Rs.
	Disamtelling								
1	KSRRB M200-12.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications.								
	KSRRB M200-13.2. –do– By Mechanical Means.								
	(P.No.137, I.No.18.18 of PW,P & IWTD S.R 2016-17)								
	Removal of Granite slabs	Cum	165	3.00	0.40	0.10	19.80		
	Disamtelling of exsisting pillers (50 % of Weak Columns)		80	0.30	0.40	2.40	23.04		
							42.84		
						Say	42.80	**403.92**	**17287.78**
2	Dismantling expanded metal or IRC fabric with weld mesh necessary battens and beading etc., including stacking the serviceable materials within 50 m lead. including cost of materials, labour, HOM complete as per specifications								
	(P.No.265, I.No.37.53 of PW,P & IWTD S.R 2016-17)								
	Existing Grill Work of stage	Mtr	165	3.00	--	2.50	**1237.50**		
					Total		1237.50	**39.96**	**49450.50**
3	Dismantling plastering and removing the debris with a lead upto 200m.including cost of materials , labour, HOM complete as per specification.								
	(P.No.265, I.No.37.50 of PW,P & IWTD S.R 2016-17)								
	Columns								
	Disamtelling of exsisting pillers		165	1.40		2.40	554.40		
					Total		554.40	**24.84**	**13771.30**
4	KSRB 5.3-3₈: Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13								
	(P.No.23, I.No.5.1 of PW,P & IWTD S.R 2016-17)								
	FOUNDATION	CUM	1	400	0.45	0.45	81.00		
						Say	81.00	**1883.52**	**152565.12**
5	Providing and laying in position reinforced cement concrete of Design mix M25with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. -								
	(P.No.13, I.No.4.10 of PW,P & IWTD S.R 2016-17)								
	RCC COLUMNS								
	For Weak columns (50 % of Columns)		80	0.30	0.40	2.00	19.20		
	R C C PLINTH BEAM		1	182.00	0.20	0.60	21.84		
			1	316.00	0.20	0.60	37.92		
						Total	78.96		
						Say	**79.00**	**6718.68**	**530775.72**
6	Providing TMT Steel reinforcement for RCC works including straightening, cutting, bending, hooking, placing in position lapping and / or welding wherever required, tieng with binding wire and anchoring to the adjoining members wherever necessary, complete as per design (laps, hooks and wastage shall not be measured and paid) cost of all materials, labour, HOM of machineries etc., complete as per specifications. Specification No.KBS 4.6.3. FOR TMT Bars Fe- 500 -)								
	(P.No.17&18 I.No.4.46.2 of KPWD S.R 2016-17								

Sl No	Description of work	Unit	No	Dimensions L	B	D	Quantity	Rate in Rs.	Amount in Rs.
	FOR RCC WORKS	Tonne							
	For Columns		19.20		200.00	--	**3840.00**		
	For Beams 150 **Kg/Cum**		30.00	--	120.00	--	**3600.00**		
							7440.00		
							7.44	**65455.56**	**486989.37**
7	Providing and removing centering, shuttering, strutting, propping etc., for **columns**, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specification. Specification No. KBS 4.6.2								
	(P.No.16, I.No.4.32 of PW,P & IWTD S.R 2016-17)	Sqm							
	columns		80	**1.40**		2	**224.00**		
						Say	**224.00**	**395.28**	**88542.72**
8	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beams haunchings, cantilelver, girders, bressumers and lintelsexceeding 1m in depth including cost of all materials, labour complete as per specificationsSpecification No. KBS 4.6.2 -								
	(P.No.16, I.No.4.35 of PW,P & IWTD S.R 2016-17)	Sqm							
	R C C PLINTH BEAM		2	182.00	--	0.60	218.40		
						Total	**218.40**	**276.48**	**60383.23**
9	Providing 18mm thick cement plaster in single coat with cement mortor 1:4 to Brick masonary including rounding off corners wherver required smooth rendering,: Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications Out Side -								
	(P.No.114 & 115, I.No.15.16 & 15.33 of PW,P & IWTD S.R 2016-17)	Sqmt							
	Columns		80	1.40	--	2.00	224.00		
	Plinth Beam		1	182.00	--	0.60	109.20		
							333.20		
						Total	**333.20**	**265.68**	**88524.58**
10	Providing & finishing external walls in two coats over one coat of 100 % acrylic silcon glazed primer with Antifungal paint for top coat of Approved brand and shade to give an even shade after thourghly brooming the surfacfe to remove all dirt and loose powdered material, free from morter drops and and other foreign matter , cost of materails , labour, complete as per specifications								
	(P.No.125, I.No.15.104 of PW,P & IWTD S.R 2016-17)								
	For Compound wall								
	Qty Same as vide item no 09		1	333.20			**333.20**	**163.08**	**54338.26**
11	Providing and fixing M.S. Grill over existing compound wall as per using 16mm x 16mm M.S. Square rod at 150mm c/c spacing and 6mm x 40mm M.S. flats at horizontal and 6mm x12mm M.S. flat for ornamental design and providing shop edge design at the vertex of every vertical rods, including welding, grinding wherever necessary. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., complete as per specification								
	(P.No.42, I.No.7.36 of PW,P & IWTD S.R 2016-17)								
	Above new compound wall								
	Southern /left side of main gate	Sqm	60.00	3.00		2.10	378.00		
	Northern/Right side of Main gate		105.00	3.00		2.10	661.50		
							1039.50		
							1039.50	**5638.68**	**5861407.86**
									7404036.42
						Rounding off			**0.58**
				Total Amount for Front Compound wall J P Park					**7404037.00**

CERTIFICATE

1. Certified that this estimate is prepared based on KPWD SR of Bangalore Circle for the year 2016-17 & ESR 2014-15 for most Economical & safe way of executing the work as per the design and drawings, Quantities & Estimates submitted by the Architect
2. Certificate that, the work spot has been inspected by me & prepared the estimate in most economical way of Excuting the work
3. The above work is included in

Asst. Engineer	Asst Executive Engineer	Executive Engineer
BBMP	BBMP	BBMP

BANGALORE BHRUHUT MAHANAGAR PALIKE

PROJECT:- REMODELLING & CONSTRUCTION OF SCHOOL BUILDING AT JAIBHUVANESHWARINAGAR IN WARD NO.42 RAJARAJESHWARINAGAR DIVISION.

(Based on Schedule of Rates for the year 2016- 2017 PW, P&IWTD Bangalore Circle.)

Sl No	Description of work	Unit	SR Page No	Item No	Basic Rate in Rs	AW- 8 %	Sillt Floor Rate	GF Rate	FF Rate	2ndF Rate	Additional Floor Charges per floor
							in Rs	in Rs	in Rs	in Rs	in Rs
1	2	3	4	5	6	7					
1	Dismantling burnt brick masonry in clay mortar/lime mortar/cement mortar and stacking the bricks within a radius of 50m and removing the debris to a distance upto 200m.	Cum	265	37.47	156.00	12.48	168.48	168.48	--	--	--
2	Dismantling cement concrete flooring or plain cement concrete work including removing and conveying the debris to distance upto 200m (within average thickness of 15 cms).	Sqm	265	37.51	55.00	4.40	59.40	59.40	--	--	--
3	Dismantling weather proof course and removing and conveying the debris to a distance upto 200m	Cum	265	37.44	468.00	37.44	505.44	505.44	--	--	--
4	Removing of existing old or broken Water closet Indian / Eurpoean and disposing it with all cost and conveyance	Each	132	16.42	187.00	14.96	201.96	201.96	201.96	201.96	0.0
5	Dismantling plastering and removing the debris with a lead upto 200m.including cost of materials , labour, HOM complete as per specification.	Sqmt	265	37.50	23.00	1.84	24.84	24.84	24.84	24.84	0.0
6	Dismantling the **tile work** in floor and roof laid in cement or surki mortar including stacking the materials with in 50 m lead of tiles thickness 10mm to 25mm.	Sqmt	265	37.49	31.00	2.48	33.48	33.48	33.48	33.48	0.0
7	Dismanteling of Exsisting structures like Culverts, Bridges, retaining wall & other structures compraising of masanry, cement concrete, wood work, steel work including T& P and scaffolding wherever necessary, sorting the Dismentalled metrial,...- 1.) Lime concrete/ Cement Concrete	Cum	137	18.20	345.00	2415		2760.00	--	--	--
8	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications.	Cum	137	18.18	374.00	29.92		403.92	--	--	--
9	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, **steel work,** including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications.	Tonne	138	18.33	1202.00	96.16	1298.16	1298.16	1298.16	1298.16	0.0
10	Dismantling expanded metal or IRC fabric with weld mesh necessary battens and beading etc., including stacking the serviceable materials within 50 m lead. including cost of materials, labour, HOM complete as per	Sqm	265	37.53	37.00	2.96	39.96	39.96	39.96	39.96	0.0
11	**Earthwork excavation** for **manual means** foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth	**Cum**	5	2.3	189.00	15.12	204.12	204.12	--	--	--
12	Providing and laying in position plain cement concrete of mix 1:4:8 - (1:4:8 - (M7.5)) with OPC cement @ 180kgs, with 40mm and down size	Cum	12	4.3	4867.00	389.36	5256.36	5256.36	5310.36	5364.36	50.0
13	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, m	Cum	12	4.2	5046.00	403.68	5449.68	5449.68	5503.68	5557.68	50.0

BBMP

Sl No	Description of work	Unit	SR Page No	Item No	Basic Rate in Rs	AW- 8 %	Sillt Floor Rate	GF Rate	FF Rate	2ndF Rate	Additional Floor Charges per floor
1	2	3	4	5	6	7	in Rs	in Rs	in Rs	in Rs	in Rs
14	KSRB 5.4 : Providing and constructing granite / trap / basalt size stone bmasonry in superstructure with cement mortar, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at 2m. apart in each course including cost of materials, labour,	Cum	23	5.1	1744.00	139.52	1883.52	1883.52	1883.52	1883.52	
15	Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications, including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density.	Cum	148	19.6	302.00	24.16	326.16	326.16	326.16	326.16	
16	KSRB 4-1.6 : Providing and laying in position plain cement concrete of mix M15 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates	Cum	12	4.6	5441.00	435.28	5876.28	5876.28	5930.28	5984.28	50.0
17	Providing and laying in position **reinforced cement concrete** of **Design mix (M25)** with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates	Cum	13	4.10	6221.00	497.68	6718.68	6718.68	6772.68	6826.68	50.0
18	Providing and removing centering, shuttering, strutting, propping etc., an removal of form work for **Foundation , footing , bases** of columns for mass concrete	Sqm	15	4.28	231.00	18.48	249.48	249.48	254.88	260.28	5.00
19	Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specification. Specification No. KBS 4.6.2	Sqm	16	4.32	366.00	29.28	395.28	395.28	400.68	406.08	5.00
20	Providing and removing centering, shuttering, strutting, propping etc., an removal of form work for sides & soffits of **beams, beam hauncing cantilever girders**, bressumers & lintels & not exceeding 1.0 in depth	Sqm	16	4.34	256.00	20.48	276.48	276.48	281.88	287.28	5.00
21	Providing and laying in position **reinforced cement cocnrete of design mix M2**0 with OPC cement @ 27.20 Kgs with 12mm & down sizes graded grantie metal coarse aggregated @ 0.5865 cum & fine aggregates, compacted **plain chajja 8.50 Cms** avg thickness,	Sqm	14	4.20	514.00	41.12	555.12	555.12	555.12	555.12	0.00
22	Providing and **removing centering,** shuttering, strutting, propping etc., for chajjas, corbels of all shapes & sizes, at all elevations & heights.	Sqm	16	4.37	270.00	21.60	291.60	291.60	297.00	302.40	5.00
23	Providing and removing centering, shuttering, strutting, propping etc., for **columns, pillars, piers, abutments, post and struts, square / rectangular /** polygon in plan including cost of all	Sqm	16	4.32	366.00	29.28	395.28	395.28	400.68	406.08	5.00
24	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for **flat surface** such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2	Sqm	15	4.29.2	550.00	44.00	594.00	594.00	594.00	594.00	0.00
25	Providing and removing centring, shuttering, strutting, proping etc., and removal of form work for **stairs (excluding landing) except spiral staircase**	Sqm	16	4.38	475	38	513.00	513.00	518.40	523.80	5.00
26	Providing **T.M.T steel reinforcement** for **R.C.C** work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required,	Tonne	17 & 18	4.46.2 & 4.47	60607.00	4848.56	65455.56	65455.56	65965.32	66475.08	472.0

Sl No	Description of work	Unit	SR Page No	Item No	Basic Rate in Rs	AW- 8 %	Sillt Floor Rate	GF Rate	FF Rate	2ndF Rate	Additional Floor Charges per floor
1	2	3	4	5	6	7	in Rs	in Rs	in Rs	in Rs	in Rs
14	KSRB 5.4 : Providing and constructing granite / trap / basalt size stone bmasonry in superstructure with cement mortar, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at 2m. apart in each course including cost of materials, labour,	Cum	23	5.1	1744.00	139.52	1883.52	1883.52	1883.52	1883.52	
15	Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications, including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density.	Cum	148	19.6	302.00	24.16	326.16	326.16	326.16	326.16	
16	KSRB 4-1.6 : Providing and laying in position plain cement concrete of mix M15 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates	Cum	12	4.6	5441.00	435.28	5876.28	5876.28	5930.28	5984.28	50.0
17	Providing and laying in position **reinforced cement concrete** of **Design mix (M25)** with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates	Cum	13	4.10	6221.00	497.68	6718.68	6718.68	6772.68	6826.68	50.0
18	Providing and removing centering, shuttering, strutting, propping etc., an removal of form work for **Foundation , footing , bases** of columns for mass concrete	Sqm	15	4.28	231.00	18.48	249.48	249.48	254.88	260.28	5.00
19	Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specification. Specification No. KBS 4.6.2	Sqm	16	4.32	366.00	29.28	395.28	395.28	400.68	406.08	5.00
20	Providing and removing centering, shuttering, strutting, propping etc., an removal of form work for sides & soffits of **beams, beam hauncing cantilever girders**, bressumers & lintels & not exceeding 1.0 in depth	Sqm	16	4.34	256.00	20.48	276.48	276.48	281.88	287.28	5.00
21	Providing and laying in position **reinforced cement cocnrete of design mix M2**0 with OPC cement @ 27.20 Kgs with 12mm & down sizes graded grantie metal coarse aggregated @ 0.5865 cum & fine aggregates, compacted **plain chajja 8.50 Cms** avg thickness,	Sqm	14	4.20	514.00	41.12	555.12	555.12	555.12	555.12	0.00
22	Providing and **removing centering,** shuttering, strutting, propping etc., for chajjas, corbels of all shapes & sizes, at all elevations & heights.	Sqm	16	4.37	270.00	21.60	291.60	291.60	297.00	302.40	5.00
23	Providing and removing centering, shuttering, strutting, propping etc., for **columns, pillars, piers, abutments, post and struts, square / rectangular /** polygon in plan including cost of all	Sqm	16	4.32	366.00	29.28	395.28	395.28	400.68	406.08	5.00
24	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for **flat surface** such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2	Sqm	15	4.29.2	550.00	44.00	594.00	594.00	594.00	594.00	0.00
25	Providing and removing centring, shuttering, strutting, proping etc., and removal of form work for **stairs (excluding landing) except spiral staircase**	Sqm	16	4.38	475	38	513.00	513.00	518.40	523.80	5.00
26	Providing **T.M.T steel reinforcement for R.C.C** work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required,	Tonne	17 & 18	4.46.2 & 4.47	60607.00	4848.56	65455.56	65455.56	65965.32	66475.08	472.0

Sl No	Description of work	Unit	SR Page No	Item No	Basic Rate in Rs	AW- 8 %	Sillt Floor Rate	GF Rate	FF Rate	2ndF Rate	Additional Floor Charges per floor
1	2	3	4	5	6	7	in Rs	in Rs	in Rs	in Rs	in Rs
27	Providing and constructing burnt brick masonry with approved quality of **modular bricks of standard size of class designation 5.0 newton** per sq mm (table moulded) with	Cum	28	6.18	6786.00	542.88	7328.88	7328.88	7382.88	7436.88	50.00
28	Construction of partition wall 11.2 cms thick with non modular table moulded burnt bricks of class designation 5.0Newton per Sqmm with cement mortar 1:4 including cost of materials, labour charges, scaffolding, curing complete as per specifications. Specification No. KBS 6.2- KSRB 6-7.2 : - do - with bricks	Sqm	28	6.24	933.00	74.64	1007.64	1007.64	1013.04	1018.44	5.00
29	Providing and constructing precast **concrete solid blocks** with compressive strength not less than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size **40x15x20cms** conforming to I.S: 2185/1965 in superstructure including cost of materials,	Sqm	25	5.26.2	907.00	72.56	979.56	979.56	1011.96	1044.36	30.00
30	Providing and constructing non-load bearing wall with **cement concrete solid blocks** with compressive strength not less than 3.5 Newton per sqm with cement mortar 1:4 (jamb, closer blocks) with blocks of size **40x10x20cms**, confirming to I.S : 2185/1965 in superstructure including cost of materials,	Sqm	25	5.28	716.00	57.28	773.28	773.28	805.68	838.08	30.00
31	Providing **18mm thick cement plaster** in single coat with cement **mortor 1:3** to Brick masonary including rounding off corners wherver required smooth rendering,: externel	Sqm	113	15.15	244.00	19.52	263.52	263.52	274.32	285.12	10.00
32	Providing **18mm thick cement plaster** in **single coat with cement mortar 1:4,** to brick masonry including rounding off corners wherever required smooth rendering, : internel	Sqmt	114 & 115	15.16 & 15.33	246.00	19.68	265.68	265.68	271.08	276.48	5.00
33	Providing **12mm thick cement plaster in single coat** with cement **mortar 1:3**, to **ceiling** including rounding off corners wherever required smooth rendering, :	Sqm	114 & 115	15.21 & 15.33	218.00	17.44	235.44	235.44	240.84	246.24	5.00
34	Providing TEAK WOOD frames of doors, windows, clerestory windows, and other frames, wrought, framed or assembledincluding making plaster groves	Cum	51	9.10	185914.00	14873.12	200787.12	200787.12	200787.12	200787.12	0.00
35	Providing **white Sal wood frames** of **doors, windows, clerestory windows, ventilators and other frames,** wrought, framed or assembled including making plaster groves	Cum	51	9.13	63921.00	5113.68	69034.68	69034.68	69034.68	69034.68	0.00
36	KSRB 9.5-1 : Providing and fixing in position fully panelled Teak wood shutters for doors, with styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm	Sqmt	51	9.14	8300.00	664.00	8964.00	8964.00	8967.24	8970.48	3.00
37	9.106 Providing and **fixing flush door shutter** made out of solid core black board type, well seasoned chemically treated hard wood battens and internal frame with minimum 45 mm wide wooden frame all-round do.**35mm one side teak and one side commercial**	Sqm	64	9.106.5	3068.00	245.44	3313.44	3313.44	3316.68	3319.92	3.00
38	Providing & fixing 30mm thick factory made rigid foam Panelled Door Shutters made from M.S. tube of 19 gauge thickness, size 19 x 19mm for styles and 15 x 15mm for top and bottom rails, covered with heat moulded PVC channel of 5mm thick sheet & 30 x 50mm wide to form styles & 5mm thick & 75mm wide PVC Sheets for top rail, lock rail & bottom rail on either side & 5mm thick 20mm wide PVC sheet as gap insert for top rail & bottom rail, Panelling of 5mm thick PVC sheet fitted in the M.S. Frame, Sealed to the styles & rails with 5 x 30mm PVC sh	Sqm	59	9.93	3200.00	256.00	3456.00	3456.00	3459.24	3462.48	3.0
39	Providing and fixing PVC Hollow Door Frame of the size 50x47mm with a wall thickness of 5mm, made out of extruded 5mm rigid PVC foam sheet, mitre cut at two corners and joined with 2	Mtr	59	9.92	390.00	31.20	421.20	421.20	424.44	427.68	3.0

Sl No	Description of work	Unit	SR Page No	Item No	Basic Rate in Rs	AW- 8 %	Sillt Floor Rate	GF Rate	FF Rate	2ndF Rate	Additional Floor Charges per floor
1	2	3	4	5	6	7	in Rs	in Rs	in Rs	in Rs	in Rs
40	Providing & fixing 30mm thick factory made rigid foam Panelled Door Shutters made from M.S. tube of 19 gauge thickness, size 19 x 19mm for styles and 15 x 15mm for top and bottom rails, covered with heat moulded PVC	Rmt	57	9.83	3193.00	255.44	3448.44	3448.44	3451.68	3454.92	3.0
41	KSRB 9-27.1 : **Fixing of door frame** in an existing opening including embeeding frame in floor and walls after cutting masonry for holdfasts	Nos	57	9.80	1054.00	84.32	1138.32	1138.32	1141.56	1144.80	3.0
42	Providing & fixing of **glazed 2 Track-2 Panel Sliding Windows** made out of multi Chamered UPVC sections with TPV(Thermo Plastic Vinyl)	Sqmt	308	38.44.1	6400.00	512.00	6912.00	6912.00	6912.00	6912.00	0.0
43	Providing & of Fixed Louvered Ventilator made out of multi chambered uPVC sections with TPv gaskets having isolated drainage and	Sqmt	308	38.44.3	6200.00	496.00	6696.00	6696.00	6696.00	6696.00	0.0
44	KSRB 7.11 : Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using three track window frame of size 92x31.75mm bottom section 1.3mm thick, weight 1.07kg/m; sides and	Sqmt	33	7.11.1	4091.00	327.28	4418.28	4418.28	4423.68	4429.08	5.00
45	Providing and fixing **M.S.grill work for windows and ventilators weighing 20kg/sqm** using M.S. flats, or M.S. square rods,	Kgs	32	7.9	78.00	6.24	84.24	84.24	89.64	95.04	5.00
46	Providing and fixing **Vitrified glazed tiles** of approved make, quality & colour of size **600 x 600 x 10mm thick** fixed on bed of 12mm thick cement mortar	Sqm	107	14.45	1112.00	88.96	1200.96	1200.96	1202.58	1204.20	1.50
47	Providing and fixing **granite flooring in combination of 19mm thick** (Avg) gang saw water cut **LAKARED granite** with 86% and with 14% of 19mm thicl (avg)	Sqm	109	14.58	3722.00	297.76	4019.76	4019.76	4021.38	4023.00	1.50
48	Providing and fixing of **wall cladding** using 20mm thick **gang saw water cut Shiva gold** granite, grey granite in CM 1:3 proportion cut to required shape,	Sqm	108	14.49	3527.00	282.16	3809.16	3809.16	3810.78	3812.40	1.50
49	Providing **Ceramic tiles** of approved make,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, **cement mortar 1:3** mix, **size 30x30cms** 6mm thick.	Sqm	105 & 106	14.36.2	1176.00	94.08	1270.08	1270.08	1271.70	1273.32	1.5
50	Providing and fixing for flooring 40mm thick sadarhalli grey flammed granite slab for bath areas in Bathrooms over a bed of 25mm thick CM 1:6 and fixing granite slab with CM 1:3.	Sqm	109	14.57	1891.00	151.28	2042.28	2042.28	2043.90	2045.52	1.5
51	Providing **skirting, dadoing, rises of steps** with colour glazed tiles on 10mm thick cement plaster 1:3 and jointed with white cement slurry size 30 x 45 x6	Sqm	107	14.41.3	1119.00	89.52	1208.52	1208.52	1210.14	1211.76	1.5
52	KSRB 15-15.1 : Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade	Sqm	117	15.51.2	90.00	7.20	97.20	97.20	100.44	103.68	3.0
53	KSRB 15-15.1 : Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade **Ceiling** surface .	Sqm	117	15.51.3 & 15.50.3	94.0	7.52	101.52	101.52	104.76	108.00	3.0
54	Providing **melamine polishing** of approved shade including removing and refixing of doors shutters scraping with blade and	sqm	124	15.96	721.0	57.68	778.68	778.68	778.68	778.68	0.0
55	Providing & applying **Two coats of wall putty** to inside **plasterd walls and ceiling** using white cement putty.	Sqm	126	15.106	56.0	4.48	60.48	60.48	60.48	60.48	0.0
56	Providing & finishing external walls in two coats over one coat of 100 % acrylic silcon glazed primer with Antifungal paint for top coat of Approved brand and shade to give an	Sqm	125	15.104	151.0	12.08	163.08	163.08	166.32	169.56	3.0
57	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per the direction of the Engineer-in-charge.	Cum	140	Table	100.50	8.04	108.54	108.54	108.54	108.54	0.0

BBMP

Sl No	Description of work	Unit	SR Page No	Item No	Basic Rate in Rs	AW- 8 %	Sillt Floor Rate	GF Rate	FF Rate	2ndF Rate	Additional Floor Charges per floor
1	2	3	4	5	6	7	in Rs	in Rs	in Rs	in Rs	in Rs
58	Providing and fixing fixtures for Door including screws etc., complete as per specification and as per the directions by the Engineer in charge										
58.1	Tower bolts 300 mm long	Each	XIV	412.00	120.00	9.60	129.60	129.60	129.60	129.60	0.0
58.2	Alluminium handles	Each	XIII	383.00	60.00	4.80	64.80	64.80	64.80	64.80	0.0
58.3	Aldrop	Each	XIV	-	100.00	8.00	108.00	108.00	108.00	108.00	0.0
58.4	40 mm Screws	Each	XIV	409.00	3.00	0.24	3.24	3.24	3.24	3.24	0.0
58.5	Hinges 5" heavy	Each	XIV	395.00	37.00	2.96	39.96	39.96	39.96	39.96	0.0
59	KSRB 15-17.4 : Applying **priming coat** over new **wood surface and** / or **wood based surface**, after brushing with ready mix enamel priming paint including preparing the surface after thoroughly cleaning oil, grease, dirt	Sqmt	119	15.59 & 15.60.1	125.00	10.00	135.00	135.00	135.00	135.00	0.0
60	**Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure** by preparing the surface by chipping and cleaning and Grouting of Honey comb,	Sqmt	67	10.5.1	590.00	47.20	637.20	637.20	637.20	637.20	0.0
61	**Dismantling of existing** structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, v) **Steel work** in all types of Sections upto a Height of **5 m** above plinth level excluding Cutting of Rivet.	Tonne	138	18.33	1202.00	96.16	1298.16	1298.16	1298.16	1298.16	0.0
62	Providing and **fixing Stainless steel** 304 Grade for staircase railing, **Balconys Ramps with hand rails** 50mm dia 16 guage hollow pipe welded to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia.	Sqmtr	43	7.38	6147.00	491.76	6638.76	6638.76	6644.16	6649.56	5.0
63	KSRB 7.14 : Providing, fabricating, assembling and fixing in position aluminium partitions using sections in combination of plain, single grove and double grove as per requirements for the frames of overall size 101.6mm x 44.45mm, 3.18mm.thick having section	Sqmt	35	7.14.2	4731.00	378.48	5109.48	5109.48	5114.88	5120.28	5.0
64	KSRB 7.17 : Providing, fabricating, assembling and fixing in position aluminium doors using following aluminium mat finish or glossy finish, outer frame plain section 101.6x44.45mm thickness 3.18mm, section weight 2.404 kg/m, door shutters vertical	Sqmt	36 & 37	7.17.2	6310.00	504.80	6814.80	6814.80	6820.20	6825.60	5.0
65	KSRB 8.7-1 :Providing and **fixing in position 12mm thick plaster of paris** (Gypsum anhydrous) for **ceiling** reinforced with hessian cloth flat surface upto a height of **5 m** above floor level over aluminium 25mm /	Sqmt	48	8.24 & 8.25	993.00	79.44	1072.44	1072.44	1072.44	1072.44	
66	**Mineral Fiber** false ceiling Providing and laying of world class mineral acoustic ceiling panels of as per the following specification : Tile of approved make Mineral Acoustic ceiling panels of(size 595x595mm-12mm thick)	Sqmt	324	39.12.1	2100.00	168.00	2268.00	2268.00	2268.00	2268.00	
67	Providing and **fixing 100mm wide venitian blinds** of window fashion fabric of Taiwan make, **with 50mm thick powder** coated channel with balance, imported, acrylic self alignable	Sqmt	323	39.11	950.00	76.00	1026.00	1026.00	1026.00	1026.00	
68	Providing, fabricating and **fixing partition frame work** consisting of **50mm x 50mm sal wood frame work** at spacing not exceeding 600mm c/c fixed to the bottom and ceiling,	Sqmt	232	39.9	8200.00	656.00	8856.00	8856.00	8856.00	8856.00	
69	Providing and **fixing Single shutter glass door of 12mm thick** frosted toughened glass of approved make (Saint Gobain, Modi float).	Sqm	323	39.7	11200.00	896	12096	12096	12096.00	12096.00	0.00
70	Providing and fixing **Veneer paneling,** over the **50mm x 35mm sal wood** frame work at spacing not exceeding 600mm c/c fixed to the wall and top covered out of 4mm thick approved quality Veneer,	Sqm	322	39.1	4700.00	376	5076	5076	5076.00	5076.00	0.00

Sl No	Description of work	Unit	SR Page No	Item No	Basic Rate in Rs	AW- 8 %	Sillt Floor Rate	GF Rate	FF Rate	2ndF Rate	Additiona l Floor Charges per floor
1	2	3	4	5	6	7	in Rs	in Rs	in Rs	in Rs	in Rs
71	Providing and fixing M.S. Grill over existing compound wall as per using 16mm x 16mm M.S. Square rod at 150mm c/c spacing and 6mm x 40mm M.S. flats at horizontal and 6mm x12mm M.S. flat for ornamental design and providing shop edge design at the	Sqm	42	7.4	5221.00	417.68	5638.68	5638.68	5644.08	5649.48	5.00
72	KSRRB M200-25. **Dismantling of guard rails by manual means** and disposal of dismantled materials with all lifts and stacking serviceable materials and unserviceable materials seperately complete as per specifications.	Mtr	138	18.48	60.00	4.8	64.8	64.8	64.80	64.80	0.00
73	Providing,fabricating and fixing of **stick type structural glazing** using alluminium extrusions of **63.5mmx58.00mmx2.25mm** of 1.73 kgs/mtr for vertical and horizantal members and **63.5mmx 38.1x 1.33mm** of 0.759kg/mtr	Sqm	37	7.20	5871.00	469.68	6340.68	6340.68	6346.08	6351.48	5.00
74	Providing and fixing of **Aluminium composite panel** of approved make and colour for wall cladding for straight Brick/Rcc/stone walls & coloumns/beams with necessary aluminium frame works at required level made out of **50x25x3mm** C section or equalent.	Sqm	37	7.18	4501.00	360.08	4861.08	4861.08	4866.48	4871.88	5.00
75	Providing and fixing Free Standing Table for Cabin - Main Table : 1500 mmW x 750mm D x 750 mm ht (Edgebinding table top) Side Table : 900 mm W x 450mm D X 750 mm ht.	Nos	329	39.17.1	13400.00	1072	14472	14472	14472.00	14472.00	0.00
76	Providing and fixing Free Standing Table for Cabin-1500 mmW x 540mm D x 750 mm ht (Main table with Post formed table top)	Nos	330	39.18.4	8450.00	676	9126	9126	9126.00	9126.00	0.00
77	Providing and fixing STRAIGHT WORKSTATION consisting of back to back unit made out of 75 mm thick MS CRCA powder coated,tile based system for main sprine, C) Size : 1200 mmW x 600mm D x 1200 mm ht (Non Sharing work station with Edge Binding table top, Single unit):	nos	328	39.14.3	13250.00	1060	14310	14310	14310.00	14310.00	0.00
78	Providing and fixing EXTRUDED POLYSTYRENE (XPS) thermal insulating boards for external wall insulation including necessary fasteners etc.,	Sqm	368	41.3.1	566.00	45.28	611.28	611.28	611.28	611.28	0.00
79	Providing and fixing polyurethane foam (PUF) slab with PU slab density 36+/-2 kg/m³ insulation for over deck covered with two layers of 40mm thick cement concrete screed	Sqm	369	41.8.1	1664.00	133.12	1797.12	1797.12	1797.12	1797.12	0.00
80	Providing and fixing in position **collapsible steel shutters** with single or double leaf with vertical channe	Sqm	31	7.1	4033.00	322.64	4355.64	4355.64	4361.04	4366.44	5.00
81	Fabricating, supplying and erecting M.S.Tubular Trusses of all spans as per approved drawing & design with prefabricated steel applications using quality material and are durable, reliable and corrosion and abrasion resistant. Welding shall confirm to latest strucutral welding code.	Kgs	40	7.29	110.00	8.8	118.8	118.8	124.20	129.60	5.00
82	Providing White Sal wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of	Cum	51	9.13	63921.00	5113.68	69034.68	69034.68	69034.68	69034.68	0.00
83	Providing and laying pattern flooring for staircase treads and risers using the combiantion of 20mm thick ruby red granite @ 66%,20 mm thick grey granite @ 20%, 20mm thick Shiva gold granite 7%, 20mm thick black granite 7%. The granite meterials are laid on existing bed of CM 1:3 20mm thick pointed with colour pigment, including full rounding for nosing, flaming the ruby red granite for 50 mm wide curing etc., complete (P.No.107 I.No.14.46 of PW,P & IWTD S.R 2016-17)	SQM	107	14.46	5724.00	457.92	6181.92	6181.92	6181.92	6181.92	0.00

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Sl No	Description of work	Unit	SR Page No	Item No	Basic Rate in Rs	AW- 8 %	Sillt Floor Rate	GF Rate	FF Rate	2ndF Rate	Additional Floor Charges per floor
1	2	3	4	5	6	7	in Rs	in Rs	in Rs	in Rs	in Rs
84	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sloping or battering surface including folded plates where inclination to horizontal plane does not exceed 30 degree requiring shuttering only on the under side including cost of all materials, labour complete as per specifications. - (P.No.15, I.No.4.41 of KPWD S.R 2018-19)	SQM	16	4.41	422.00	33.76	455.76	455.76	459.00	462.24	3.00
85	KSRB 5-15 : Providing and constructing load bearing wall with cement concrete solid blocks having block density not less than 1800 kg/m3 having a min average compressive strength of 5.0 N/ mm2 conforming to I.S. 2185(part 1): 2005 & construct with C M i: 4 as per IS 2572: 2005 including cost of materials, labour charges, scaffolding, curing complete as per specification. - solid concrete block size 400x200 x 200 mm	SQM	25	5.27.1	937.00	74.96	1011.96	1011.96	1044.36	1076.76	30.00